

City of Raleigh Resource Recovery Division

2018 Biosolids Management Program Performance Report

Regulatory Compliance:

- 100% regulatory compliance by NRRRF, LCWWTP, & SCWWTP
- All of the City's biosolids contractors achieved 100% compliance with City contract requirements
 - Contractor activities include hauling, spreading, and composting. Routine observations are performed by City staff to ensure contractor adherence to applicable regulations.
- All biosolids produced and distributed met all EPA 40 CFR 503 compliance requirements
- NRRRF and SCWWTP received a Platinum award and LCWWTP received a Gold award from the National Associations of Clean Water Agencies (NACWA) for 100% regulatory NPDES compliance
- Received continuation of ISO 14001 and National Biosolids Partnership (NBP) EMS certification

2018 Targets & Objectives

- Completed 80% of established objectives and targets
- Continued to FY 2020
 - Eliminate potential pollutant sources on NRRRF plant site

FY 2020 Objectives and Targets

- Improve citizens' perception of nuisance odors
- Increase Industrial Pretreatment interaction and integration with Development Services, Code Enforcement, and CIP
- Eliminate potential pollutant sources on NRRRF plant site
- Reduce energy intensity
- Improve control and management of potential pollution sources from Rolesville STEPs
- Optimize nutrient deferment
- Implement measurable process control KPIs
- Maintain 100% regulatory compliance/certifications for all Resource Recovery Division facilities

Internal and Interim Audits

Internal audits help identify strengths and weaknesses of the environmental management program and allow for opportunities to improve the system. Six internal audits were conducted in 2018 on Competence, Awareness, & Training; Fecal Coliform Sampling & Analysis; Internal Audits Process; Maintenance Program; Management Involvement; and Pretreatment Operating Procedures to verify that these processes were functioning effectively and as intended. Findings identified during these audits were addressed through the CAPA (Corrective and Preventive Action) process.

To meet the requirements of a certified Environmental Management System, the National Biosolids Partnership requires the City's biosolids environmental management system be re-verified every five years and conduct interim audits annually in the years between the re-verification audits. The ISO 14001:2015 EMS requires the system be re-verified every three years with annual surveillance audits conducted in the years between re-verification audits. Audits for both systems are conducted simultaneously every year. During this year's audit, six minor nonconformities and seven opportunities for improvement were identified. Nonconformities were addressed through the CAPA process.

If you would like more information on the Environmental Management System or the audit, please contact Emily Fentress at 919-996-3680 or emily.fentress@raleighnc.gov.